

## Product

# DUROGLASS P

cod. 4600 M040/RAL  
9289 0000

**BRILLIANT COVERING BASED ON EPOXY RESIN IN WATER DISPERSION AND CYCLO-ALYPHATIC HARDENER MODIFIED WITH POLYMERS. SUITABLE FOR THE STORAGE OF WATER**

## Features

- An ecological product that emits no odours or irritating vapours during application.
- Useful lifetime can be determined.
- Good substrate impregnation capacity.
- Suitable for food preparation environments.
- Applicable to flooring and vertical surfaces for skirting boards and walls.
- Fast hardening.
- Brilliant, hard surface, abrasion resistant.
- Excellent resistance to water, detergents, disinfectants, diluted acids and alkaline solutions, fuels and lubricants.
- Applicable from +10°C to + 40°C on the support with relative humidity of <70%.
- Operating temperatures from -35°C to +90°C in air (+40°C in water).

## Application field

- Protective, anti-wear and tear film treatment for concrete flooring in the food industry and in areas subject to intense pedestrian and vehicle traffic, including warehouses, processing zones, corridors and similar.
- Hygienic protection for skirting boards and walls in the food industry, hospitals, chemical industry or pharmaceutical clean rooms.
- Protects at low thickness for the storage and conveyance of industrial water and urban waste.

## Application

### 1) PREPARING THE PRODUCT

Two component product to be mixed completely for 3 minutes with a low rev helical mechanical agitator after all the hardener has been poured into the base packaging.

After mixing, the product may be diluted with water while keeping it in agitation:

- add a maximum of 15-20% in weight of water for the first coat to the concrete supports directly
- add a maximum 10-20% in weight of water for the final coats

### 2) PREPARING THE SUPPORT

The surfaces to be treated have to be dry, in good condition, compact and free of pollution with foreign bodies, with a surface tear resistance of > 1.5 MPa. As this is a thin covering, the substrate should be sufficiently smooth and even. It should therefore be cleaned with a slight abrasive action with grinders that can produce a suitable degree of surface roughness.

For very compact, absorbent and dry surfaces, we recommend first applying a coat of STARCEMENT 5/A diluted 1:1 with water at minimum intervals of 5 hours and maximum of 16 hours, with consumption in the region of 100 g/m<sup>2</sup>.

As this is a water-based product, it is compatible with slightly damp surfaces, but no deep humidity or counterthrust will be tolerated.

In such a case, it will first be necessary to apply one or two coats of DUROGLASS FU BIANCO TIX, diluted 5-10% with water, with minimum consumption of 500 g/m<sup>2</sup> per coat.

DUROGLASS P also adheres to DUROGLASS FU AUTOLIVELLANTE.

For finishes on plaster or stucco to be papered over, it is first essential to impregnate the surfaces with STARCEMENT 5/A diluted as specified above. For finishes on skirting boards or walls subject to frequent washing and contact with water-based fluids, we recommended first smoothing over with undiluted DUROGLASS FU BIANCO TIX , DUROGLASS FU RAPIDO.

For such treatments, DUROGLASS P may be applied pure or diluted with a maximum of 5% in weight of water.

### 3) APPLYING THE PRODUCT

DUROGLASS P prepared as described in point 1) may be applied by brush, roller or airless spray in at least two coats. The consumption of the pure product will vary from 150 to 200 g/m<sup>2</sup> per coat, depending on the circumstances.

### **NOTES:**

- DUROGLASS P has good colour stability, but the white will significantly yellow in the course of time.
- To obtain anti-slip surfaces, add to the final coats 8% in weight of PASTA ANTISKYD to the total product used. Spread this with a low rev helical agitator on the base before adding the hardener.
- To obtain satin effect surfaces add to the final coats 20% in weight of PASTA OPACANTE to the total product used. Spread this with a low rev helical agitator on the base before adding the hardener, then water down 5-10%.
- The evenness of the finishes prepared in this way will depend on the precision with which the paste has been added to each pack. Wash the tools thoroughly with water after use.

## Technical data

<b>Color</b>	Ral colors
<b>Specific weight</b>	1.12 ± 0.05 Kg/l
<b>Mixture ratio</b>	100 parts by weight of base 50 parts by weight of hardener
<b>Viscosity at 20°C</b>	3,000 ± 1,000 mPa.s
<b>Pot life at 22°C</b>	40 minutes
<b>Solids</b>	52% in weight, 45% in volume
<b>Theoretical consumption</b>	150-200 g/m <sup>2</sup> per coat
<b>Theoretical weight</b>	60-80 microns per coat
<b>Hardening at 22°C, RH 50%</b>	- dry to the touch 3-4 hours - over-application 6 hours minimum 24 hours max - can be walked on with caution 16 hours - completely hardened 10 days
<b>ASTM D 4541 adhesion to concrete</b>	> 3.5 MPa or breakage of concrete

<b>ASTM D 4060 abrasion resistance</b>	grinder CS 10, 1000 g, 1000 rpm < 50 mg
<b>Storage</b>	If kept in the original sealed packs in a dry, protected place at temperatures of +5°C to +35°C, the product will keep for 12 months. Avoid frost.

All data and prescription reported on the present data sheet are based on the best lab and practical experience and should anyhow be considered as indicative. Considering all different uses and the occurring of situations and conditions independent from MPM ( substrate, climate conditions, technical management etc. Those who intend to use the product should verify whether it is suitable for the specific conditions in which it will be applied before starting. MPM's responsibility covers the quality and productions standards referring to the above listed data only. Data should also be verified for latest available version of data sheets which could be surpassed by a new version. Data may change any time without notice from MPM.